

Claims:

What is claimed is:

1. A fuser for an image forming device, the fuser comprising:
 - a fuser roller;
 - a pressure roller adjacent the fuser roller and having a cavity therein;
 - a first inner roller positioned within the cavity of the pressure roller, the first inner roller having a convex outer surface;
 - a second inner roller positioned within the cavity of the pressure roller, the second inner roller having a convex outer surface;
 - the fuser roller, the pressure roller, and the first and second inner rollers each having an axis of rotation, wherein the axes of rotation of the fuser roller, the pressure roller, the first and second inner rollers are parallel.
2. A fuser for an image forming device, the fuser comprising:
 - a fuser roller;
 - a pressure roller adjacent the fuser roller and having a cavity therein;
 - a first inner roller positioned within the cavity of the pressure roller, the first inner roller contacts an inner surface of the pressure roller.
3. The fuser for an image forming device according to claim 2, wherein the first inner roller has a convex outer surface.
4. The fuser for an image forming device according to claim 2, further comprising a second inner roller positioned within the cavity of the fuser roller.

5. The fuser for an image forming device according to claim 2, further comprising a second inner roller positioned within the cavity of the fuser roller, wherein the second inner roller has a convex outer surface.
6. The fuser for an image forming device according to claim 2, further comprising a second inner roller positioned within the cavity of the fuser roller.
7. The fuser for an image forming device according to claim 2, wherein the first inner roller comprises an outer wall, the outer wall having a variable thickness.
8. The fuser for an image forming device according to claim 2, wherein the first inner roller comprises an outer wall, the outer wall having a substantially constant mass per unit length.
9. The fuser for an image forming device according to claim 2, wherein the first inner roller comprises an outer wall, the outer wall being thinner in a central region and thicker in outer regions, the outer regions being on opposite sides of the central region.
10. The fuser for an image forming device according to claim 2, further comprising a heating element disposed within the fuser roller and external to the first inner roller.
11. The fuser for an image forming device according to claim 2, wherein the first inner roller has a larger diameter at a central region thereof than at the ends thereof.
12. The fuser for an image forming device according to claim 2, further comprising a heating element disposed inside the first inner roller.

13. A fuser for an image forming device, the fuser comprising:
 - an outer roller;
 - first and second inner rollers disposed inside the outer roller, the first and second inner rollers each having a convex outer surface.
14. The fuser for an image forming device according to claim 13, wherein the first and second inner rollers contact the outer roller.
15. The fuser for an image forming device according to claim 13, wherein the inner rollers each have a diameter on the ends thereof that is less than a diameter at the center thereof.
16. The fuser for an image forming device according to claim 13, further comprising a heating element disposed inside at least one of the first and second inner rollers.
17. A fuser comprising:
 - a first roller having a substantially cylindrical wall;
 - a second roller;
 - a rotatable member inside the first roller, the rotatable member having a convex external surface.
18. The fuser according to claim 17, wherein a central region of the convex external surface contacts the cylindrical wall and end regions of the convex external surface of the rotatable member do not contact the cylindrical wall.

19. The fuser according to claim 17, wherein the rotatable member has an outer wall, the outer wall having variable thickness.
20. The fuser according to claim 17, wherein the rotatable member has an outer wall, the outer wall having a substantially constant mass per unit length.
21. The fuser according to claim 17, wherein the rotatable member has an outer wall, the outer wall being thinner at a central region than at end regions on opposite sides of the central region.
22. A fuser comprising:
 - a first roller;
 - a second roller for creating a nip between the first and second rollers;
 - means disposed within the second roller for maintaining a substantially uniform pressure within the nip.
23. An image forming device, comprising:
 - a fuser having first and second rollers configured to fuse toner to print media as the print media passes between the first and second rollers;
 - an inner roller disposed within the first roller, the inner roller having a convex external surface along an axial length of the inner roller.
24. The image forming device of claim 23, wherein the inner roller has an axis of rotation that is coaxial with an axis of rotation of the first roller.

25. The image forming device of claim 23, wherein the inner roller as an axis of rotation distinct from and in spaced relation to the axis of rotation of the first roller.

26. The image forming device of claim 23, wherein the inner roller comprises an external wall, the external wall having a thickness that varies along the axial length of the inner roller.

27. The image forming device of claim 23, further comprising multiple inner rollers disposed within the first roller, individual inner rollers having a convex external surface along an axial length thereof.

28. The image forming device of claim 23, further comprising a heating element disposed in the inner roller.

29. The image forming device of claim 23, wherein the axes of rotation of the first and second rollers and the axis of rotation of the inner roller are substantially collinear.